

SPECIFICATION AMENDMENTS

Replace the paragraph beginning at page 8, line 20 with:

FIG. 14 is a sectional diagram taken along lines ~~F-F~~ XIV-XIV of FIG. 13 with coils removed;

Replace the paragraph beginning at page 10, line 17 with:

FIGS. 1A, 1B, 2A, 2B, 3A, 3B, 4A, 4B, 4C, 5A, 5B, 6A, 6B and 7 are diagrams showing an actuator according to a first embodiment of the invention. FIG. 1A is a sectional diagram showing the construction of the actuator, FIG. 1B is a sectional diagram taken along lines ~~F-F~~ IB-IB of FIG. 1A, FIG. 2A is a front view of first and second iron cores 11, 12, FIG. 2B is a side view of the first and second iron cores 11, 12, FIG. 3A is a front view of third and fourth iron cores 13, 14, and FIG. 3B is a side view of the third and fourth iron cores 13, 14. FIG. 4A is a front view of coil bobbins 21, 31, FIG. 4B is a side view of the coil bobbins 21, 31, and FIG. 4C is a fragmentary plan view of the coil bobbins 21, 31. FIGS. 5A and 5B are diagrams showing the construction of an armature 41 fitted with upper and lower permanent magnets 50 and upper and lower support plates 60, FIGS. 6A and 6B are diagrams showing the construction of bearings 80, and FIG. 7 is a diagram illustrating the working of the actuator.

Replace the paragraph beginning at page 36, line 12 with:

FIGS. 11, 12, 13, 14, 15A, 15B, 16A and 16B are diagrams showing an actuator according to a fifth embodiment of the invention, in which elements identical or similar to those of the foregoing embodiments are designated by the same reference numerals. FIG. 11 is a partially exploded perspective diagram showing the construction of the actuator, FIG. 12 is a perspective assembly diagram of the actuator, FIG. 13 is a sectional diagram showing the detailed construction of the actuator, FIG. 14 is a sectional diagram taken along lines ~~F-F~~ XIV-XIV of FIG. 13 with coils 20, 30 removed, FIGS. 15A and 15B are a front view and a side view of first and second iron cores 111, 112, FIGS. 16A and 16B are a front view and a side view of third and fourth iron cores 113, 114.

In re Appln. of TAKEUCHI et al.
Application No. Unassigned

Replace the paragraph beginning at page 53, line 14 with:

FIG. 27A is a sectional diagram showing the construction of the actuator of the eleventh embodiment, and FIG. 27B is a sectional diagram taken along lines ~~F-F~~ XXVIIIB-XXVIIIB of FIG. 27A, in which elements identical or similar to those of the foregoing embodiments are designated by the same reference numerals.